***BRUHAT BANGALORE MAHANAGARA PALIKE***

*YELAHANKA ZONE*

***DIVISION: BYATARAYANAPURA***

***SUB DIVISION: KODIGEHALLI***

***Name of Work**: Estimate for Flood relief work in Netaji nagara and surrounding areas in ward no. 07, Byatarayanapura*

***Job Code:***

***Estimated Cost: Rs. 40.00 Lakh(s)***

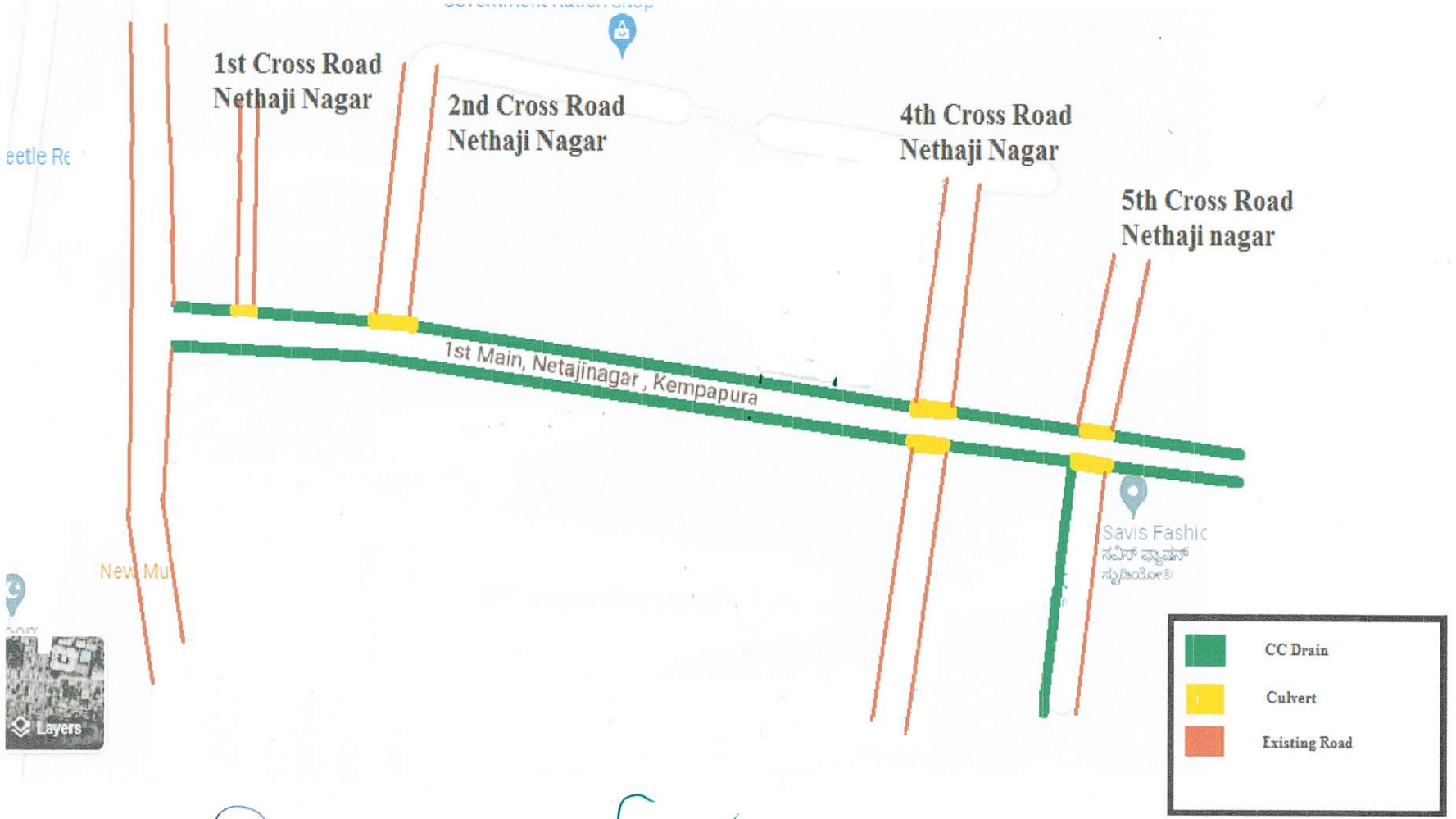
**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:-Flood relief work in Netaji nagara and surrounding areas in ward no. 07, Byatarayanapura**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Estimation Cost.Rs | 4000000.00 |
| Sl No | Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
| | | | No. | L | B | D | | | |
| 1 | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead I By Manual Means B Cement Concrete Grade M-15 & M-20 (PWD SR 2021-22 Vol III Pg no 8 Item No 2.7(i) ) | | | | | | | | |
| | **Drain** | | | | | | | | |
| | **Bottom Raft** | | | | | | | | |
| | **Netaji Nagar** | | | | | | | | |
| | **1st Main Road** | **Cum** | 2 | 169.00 | 0.90 | 0.15 | 45.63 | | |
| | | | | | | | | | |
| | **Side Wall** | | | | | | | | |
| | **Netaji Nagar** | | | | | | | | |
| | 1st Main Road | Cum | 4 | 169.00 | 0.15 | 0.50 | 50.70 | | |
| | | | | | | | | | |
| | **Culvert** | | | | | | | | |
| | **Netaji Nagar** | | | | | | | | |
| | 1st Main Road | Cum | 1 | 4.80 | 1.50 | 0.23 | 1.66 | | |
| | | Cum | 1 | 6.10 | 1.50 | 0.23 | 2.10 | | |
| | | Cum | 1 | 7.20 | 1.50 | 0.23 | 2.48 | | |
| | | Cum | 1 | 7.60 | 1.50 | 0.23 | 2.62 | | |
| | | Cum | 1 | 6.20 | 1.50 | 0.23 | 2.14 | | |
| | | Cum | 1 | 7.80 | 1.50 | 0.23 | 2.69 | | |
| | | | | | | | | | |
| | Basic rate | 731.00 | | | | | | | |
| | Area weightage 10% | 73.10 | | | | | | | |
| | **Sub Total** | **804.10** | | | | | | | |
| | **Total** | | | | | | **110.03** | **804.10** | **88473.00** |
| 2 | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead (iii) Dismantling Stone Masonry B Rubble stone masonry in cement mortar. (PWD SR 2021-22 Vol III Pg no 8 Item No 2.10(iv) ) | | | | | | | | |
| | **Netaji Nagar** | | | | | | | | |
| | 1st Main Road | Cum | 2 | 4.80 | 0.45 | 0.50 | 2.16 | | |
| | | Cum | 2 | 6.10 | 0.45 | 0.50 | 2.75 | | |
| | | Cum | 2 | 7.20 | 0.45 | 0.50 | 3.24 | | |
| | | Cum | 2 | 7.60 | 0.45 | 0.50 | 3.42 | | |
| | | Cum | 2 | 6.20 | 0.45 | 0.50 | 2.79 | | |
| | | Cum | 2 | 7.80 | 0.45 | 0.50 | 3.51 | | |
| | | | | | | | | | |
| | Basic rate | 481.00 | | | | | | | |
| | Area weightage 10% | 48.10 | | | | | | | |
| | **Sub Total** | **529.10** | | | | | | | |
| | **Total** | | | | | | **17.87** | **529.10** | **9453.00** |
| 3 | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22 Vol -I Pg No 5 item no 1.4.1) | | | | | | | | |
| | **New Drain** | **Cum** | | | | | | | |
| | **Netaji Nagar** | | | | | | | | |
| | 1st Main Road | Cum | 2 | 169.00 | 0.95 | 0.90 | 288.99 | | |
| | 1st main 5th Cross Road | Cum | 1 | 61.00 | 0.95 | 0.80 | 46.36 | | |
| | | | | | | | | | |

| Sl No | Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | No. | L | B | D | | | |
| | **New Culvert** | | | | | | | | |
| | **Netaji Nagar** | | | | | | | | |
| | 1st Main Road | Cum | 1 | 4.80 | 1.40 | 0.85 | 5.71 | | |
| | | Cum | 1 | 6.10 | 1.40 | 0.85 | 7.26 | | |
| | | Cum | 1 | 7.20 | 1.40 | 0.85 | 8.57 | | |
| | | Cum | 1 | 7.60 | 1.40 | 0.85 | 9.04 | | |
| | | Cum | 1 | 6.20 | 1.40 | 0.85 | 7.38 | | |
| | | Cum | 1 | 7.80 | 1.40 | 0.85 | 9.28 | | |
| | | | | | | | | | |
| | Basic rate | 186.00 | | | | | | | |
| | Area weightage 10% | 18.60 | | | | | | | |
| | **Sub Total** | **204.60** | | | | | | | |
| | **Total** | | | | | | **382.59** | **204.60** | **78279.00** |
| 4 | Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading,grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work. (PWD SR 21-22 Vol I Pg no 7 Item No 1.8) | | | | | | | | |
| | **Netaji Nagar** | | | | | | | | |
| | **1st Main Road** | Cum | 2 | 52.00 | | | **104.00** | | |
| | | | | 0.5*208*0.5 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | Basic rate | 402.00 | | | | | | | |
| | Area weightage 10% | 40.20 | | | | | | | |
| | **Sub Total** | **442.20** | | | | | | | |
| | **Total** | | | | | | **104.00** | **442.20** | **45989.00** |
| 5 | Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (PWD SR 2021-22 Vol - I Pg 15 item no 2.1.3) | | | | | | | | |
| | **For Drain** | **Cum** | | | | | | | |
| | **Netaji Nagar** | | | | | | | | |
| | 1st Main Road | Cum | 2 | 169.00 | 0.95 | 0.15 | 48.17 | | |
| | 1st main 5th Cross Road | Cum | 1 | 61.00 | 0.95 | 0.15 | 8.69 | | |
| | | | | | | | | | |
| | **For Culvert** | | | | | | | | |
| | **Netaji Nagar** | | | | | | | | |
| | 1st Main Road | Cum | 1 | 4.80 | 1.40 | 0.15 | 1.01 | | |
| | | Cum | 1 | 6.10 | 1.40 | 0.15 | 1.28 | | |
| | | Cum | 1 | 7.20 | 1.40 | 0.15 | 1.51 | | |
| | | Cum | 1 | 7.60 | 1.40 | 0.15 | 1.60 | | |
| | | Cum | 1 | 6.20 | 1.40 | 0.15 | 1.30 | | |
| | | Cum | 1 | 7.80 | 1.40 | 0.15 | 1.64 | | |
| | | | | | | | | | |
| | Basic rate | 5554.00 | | | | | | | |
| | Area weightage 10% | 555.40 | | | | | | | |
| | **Sub Total** | **6109.40** | | | | | | | |
| | **Total** | | | | | | **65.19** | **6109.40** | **398300.00** |
| 6 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.2) | | | | | | | | |
| | **Bottom Raft** | Cum | | | | | | | |
| | **Netaji Nagar** | | | | | | | | |
| | 1st Main Road | Cum | 2 | 169.00 | 0.75 | 0.15 | 38.03 | | |
| | 1st main 5th Cross Road | Cum | 1 | 61.00 | 0.75 | 0.15 | 6.86 | | |
| | | | | | | | | | |

# Name Of Work: Flood relief work in Netaji nagara and surrounding areas in ward no. 07, Byatarayanapura




Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

# DRAIN LEVELING KEMPAPURA

DATUM 85.000

| CHAINAGE m | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 |
|---|---|---|---|---|---|---|---|---|
| R.L. | 100 | 99.725 | 99.735 | 99.72 | 99.77 | 99.6 | 100.135 | 100.37 |

## 1st main 5th cross

DATUM 85.000

| CHAINAGE m | 0 | 10 | 20 | 30 |
|---|---|---|---|---|
| R.L. | 100 | 99.995 | 100 | 100.05 |

## 1st A main 5th cross

DATUM 85.000

| CHAINAGE m | 0 | 10 | 20 | 30 | 40 | 50 | 60 |
|---|---|---|---|---|---|---|---|
| R.L. | 100 | 99.995 | 100 | 100.05 | 99.975 | 100.2 | 100.31 |

## 1st main 5th cross

RUDRAPRASAD CONSULTANTS
STRUCTURAL ENGINEERS, ARCHITECTS
& PROJECT MANAGEMENT CONSULTANTS
No. 3 7th MAIN,
MALLESWARAM BANGALORE-560003
Ph : 23444801
Mob : 91-9448227083,91-9972924526
E-mail: rudraprasad3@rediffmail.com
Web: www.arkengineers.com

# DRAIN LEVELING KEMPAPURA

DATUM 85.000

| CHAINAGE m | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 110 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R.L. | 100 | 100.01 | 100.08 | 100.53 | 100.43 | 101.275 | 100.945 | 100.865 | 100.815 | 100.8 | 100.595 | 100.52 | 100.5 | 100.49 | 100.465 | 100.42 | 100.415 | 100.51 | 100.72 | 100.695 |

## KEMPAPURA ROAD 5th cross

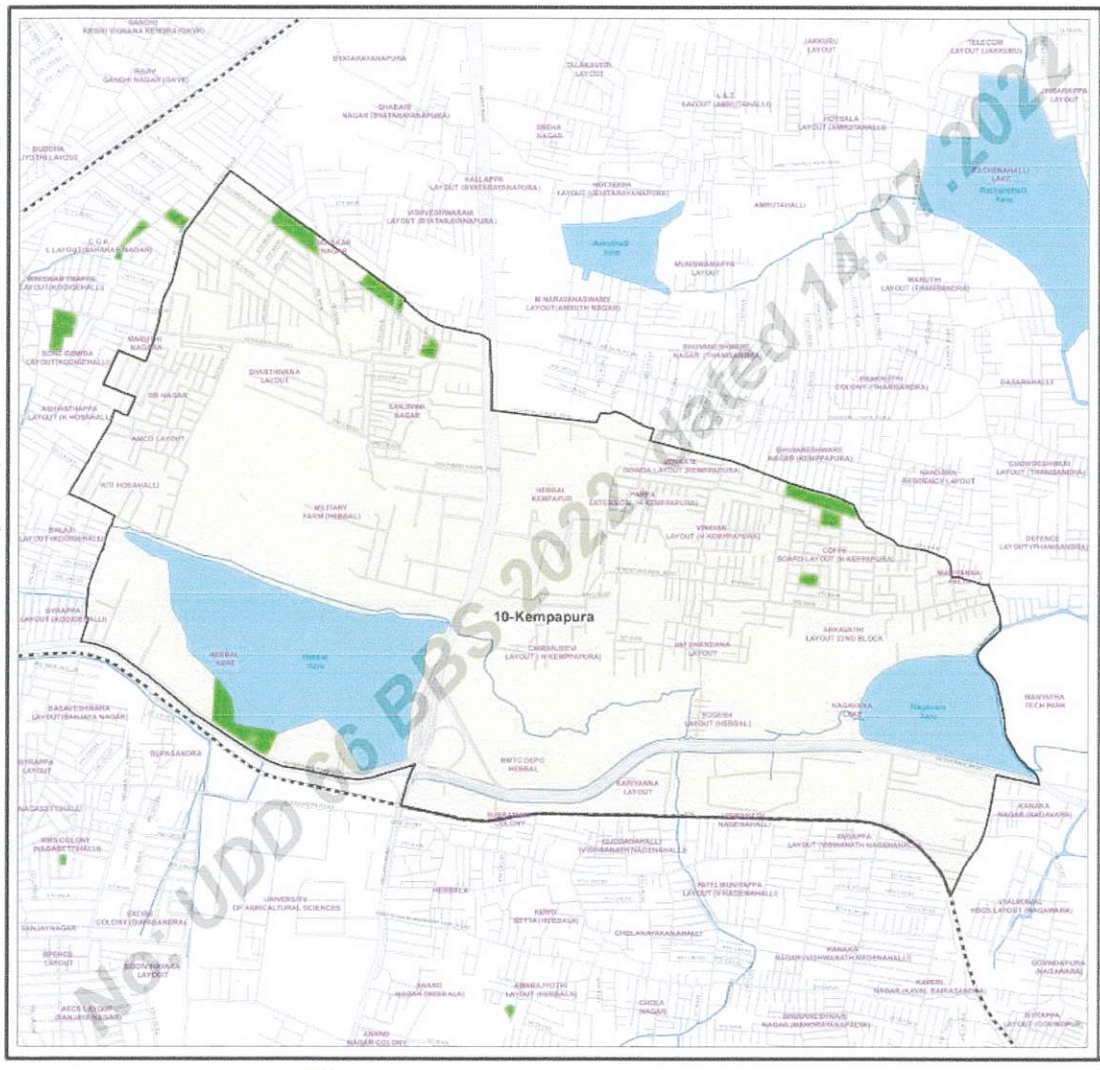
DATUM 85.000

| CHAINAGE m | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 110 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 175 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R.L. | 100 | 100.23 | 100.275 | 100.235 | 100.26 | 101.315 | 100.21 | 100.375 | 100.375 | 100.555 | 100.665 | 100.475 | 100.47 | 100.47 | 100.24 | 100.175 | 100.165 | 100.12 | 100.055 |

## KEMPAPURA ROAD 5th cross

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

RUDRAPRASAD CONSULTANTS
STRUCTURAL ENGINEERS, ARCHITECTS
& PROJECT MANAGEMENT CONSULTANTS
No. 3 7th MAIN,
MALLESWARAM BANGALORE-560003
Ph : 23444801
Mob : 91-9448227053,91-9972924526
E-mail: rudraprasad39@rediffmail.com
Web: www.arkengineers.com

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**Delimitation of Wards in BBMP - 2022**

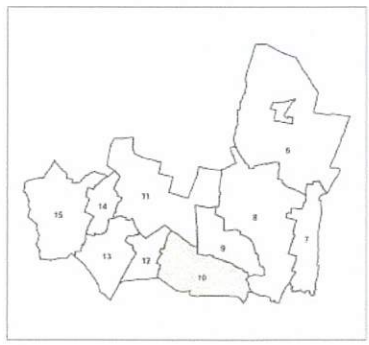
**Delimited Ward Name**

**10-Kempapura**

**Legend**

- Delimited Ward Boundary
- Delimited Ward Area
- Road
- Railwayline
- Park
- Tank/ Pond/ Storm Water Drain

**152-Byatarayanapura AC**



**Government of Karnataka Notification**
**No: UDD 66 BBS 2022, Bengaluru, dated 14-07-2022**

**Urban Development Department**
**Government of Karnataka**

No: UDD 66 BBS 2022 Dated 14.07.2022

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore